Plans/what do we need to study tau's and higgs to taus at 2e33 by October 1-st

Samples :

signal of gg->(bb)H, H->2τ->2jet, M_H = 200, 500 GeV

jm_gg_bbh200_2tau_jj_2e33 most important

jm_gg_bbh500_2tau_jj_2e33 most important

jm_gg_h200_2tau_jj_2e33 done

jm_gg_h500_2tau_jj_2e33 done

QCD samples of p_t > 20 GeV.

at high lumi 90% of Lvl-1, 2 Tau rate comes from hlt5080, hlt80120, hlt120170 samples

✓ samples can be read from CERN ~ 2 sec/ev (access+analysis)

Plan to process :

repeate analysis made for high lumi with the same analysis code

Lvl-1 Tau.   new Sridhara's Tau pattern algorithm :

Trigger/L1CaloTrigger Dasu16May2001
Data/TriggerData/L1CaloTrigger Dasu18April2001

Lvl-2 Tau.   plot $\varepsilon_{\text{Higgs}}$ - ε_{QCD} after Lvl-1.

Lvl-1 thresholds to be defined

Lvl-3 Pixel plot $\varepsilon_{\text{Higgs}}$ - ε_{QCD} after Lvl-2

tracker digitization of events filtered by
Lvl-1,2 needed. request for b/tau ?

filter is in
JetMetAnalysis/HighLevelTauAnalysis/test